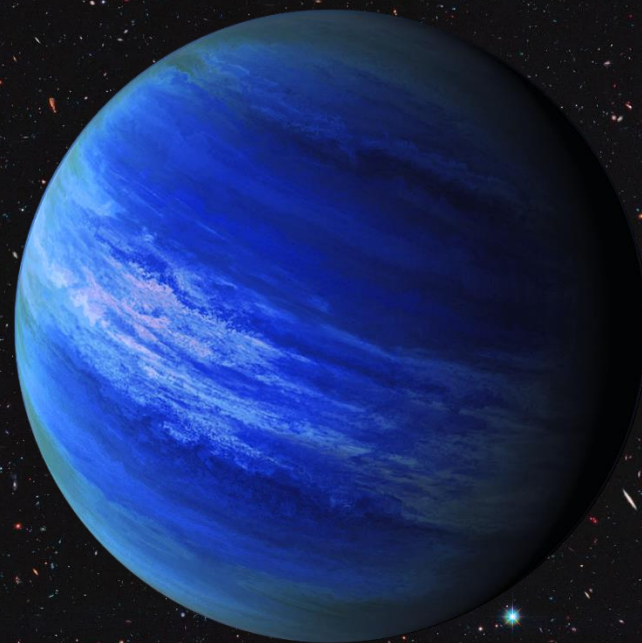


The decision to implement the WFIRST mission will not be finalized until NASA's completion of the National Environmental Policy Act (NEPA) process. This document is being made available for information purposes only.

Preliminary Measurements of a Store-Shield-Removed EMCCD CCD201-20

CEI/Teledyne-e2v Radiation Damage Workshop
April 30-May 1 2018

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Jet Propulsion Laboratory
California Institute of Technology

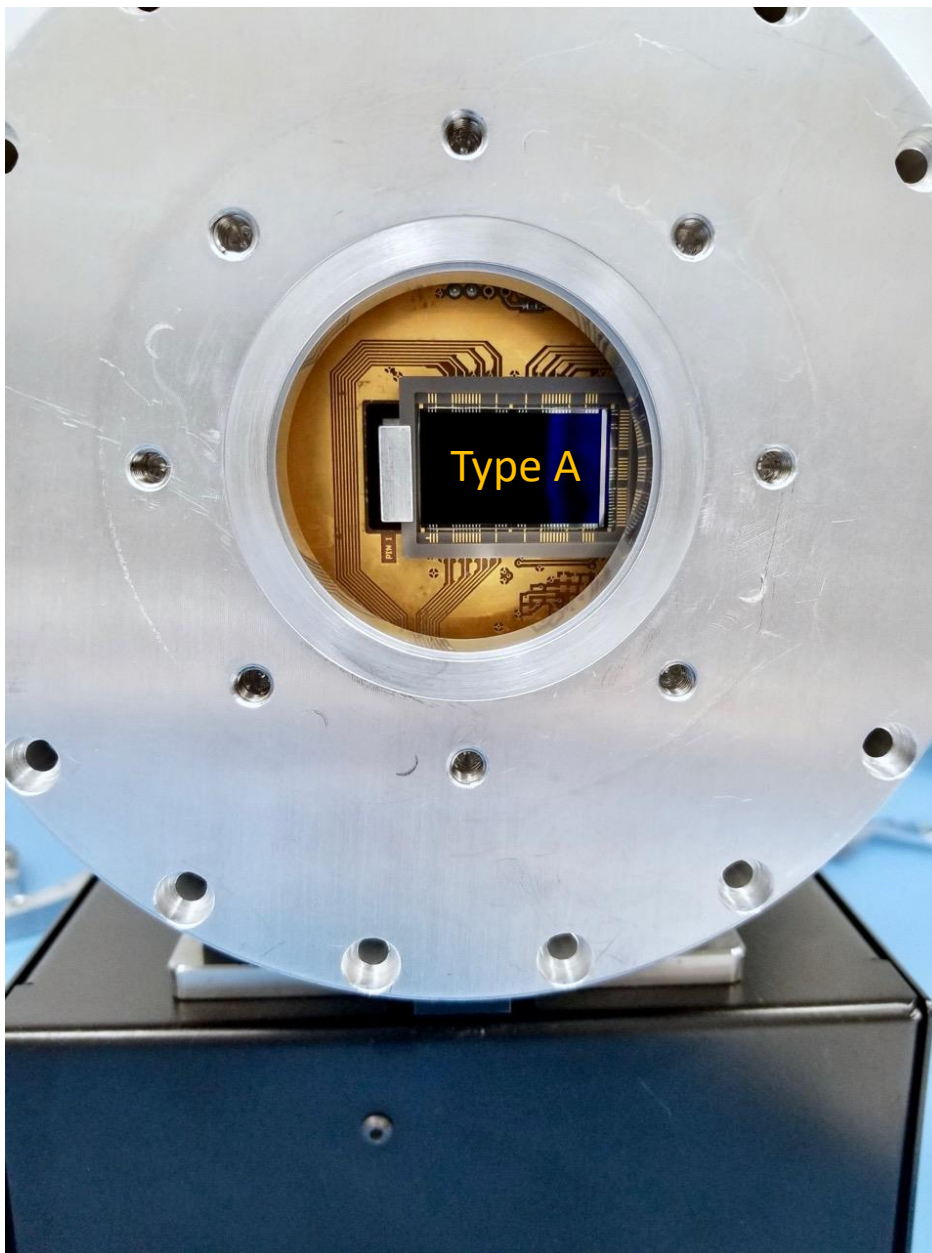
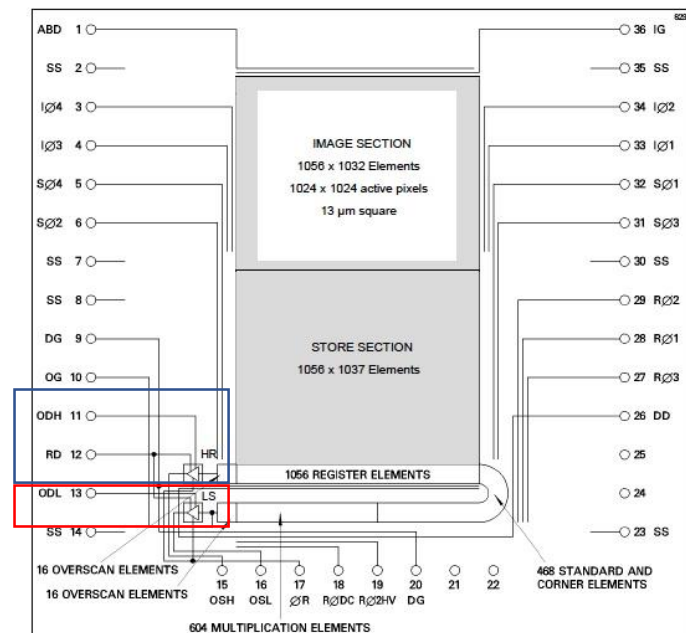


Figure 1: SCHEMATIC CHIP DIAGRAM



Type A EMCCD Dark
3 minutes per frame
T=-105C
NIMO/OSH ON

1024

Image

2048

Prescan

Store

Type A EMCCD Dark
3 minutes
T=-105C
NIMO/OSH OFF

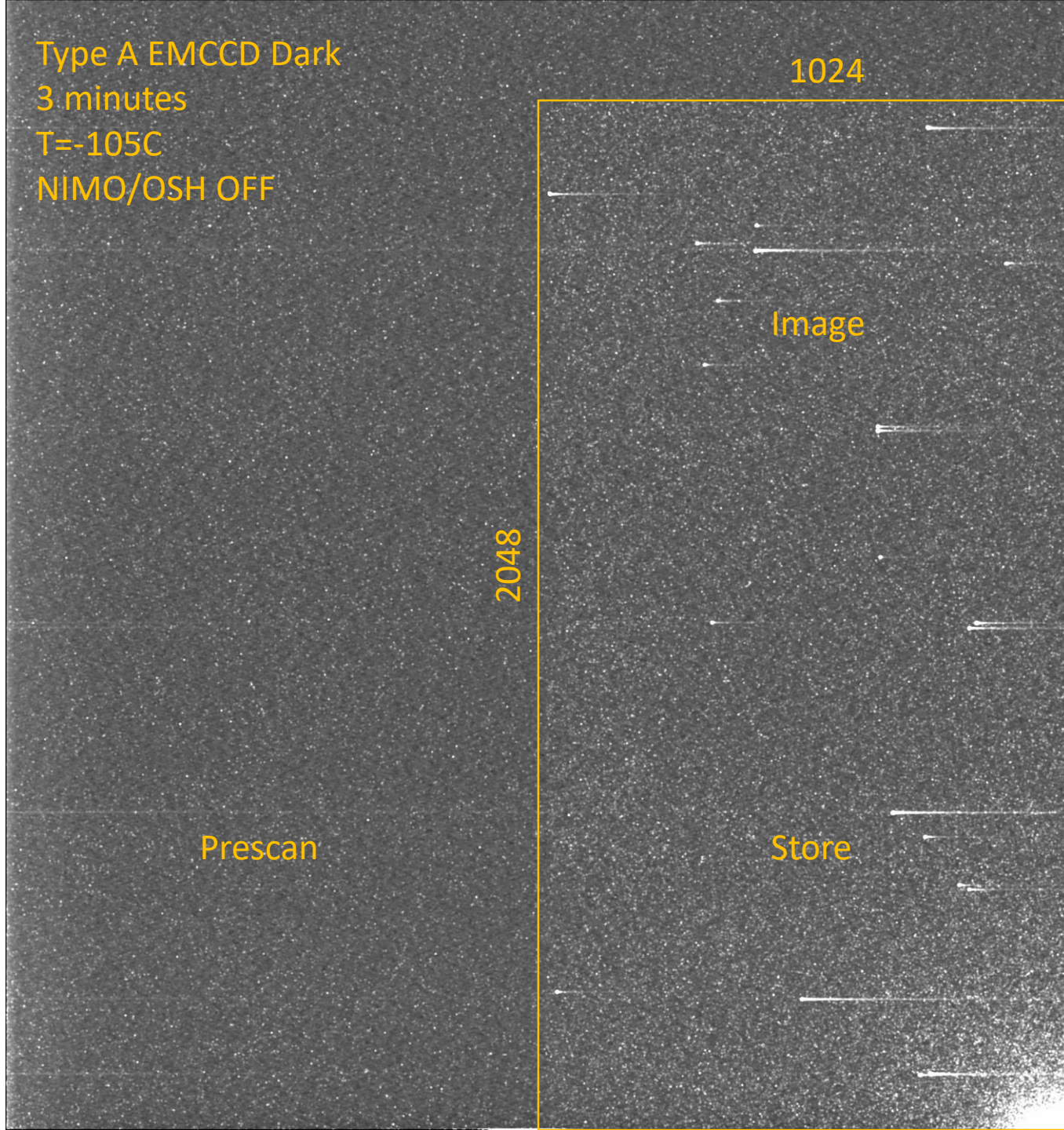
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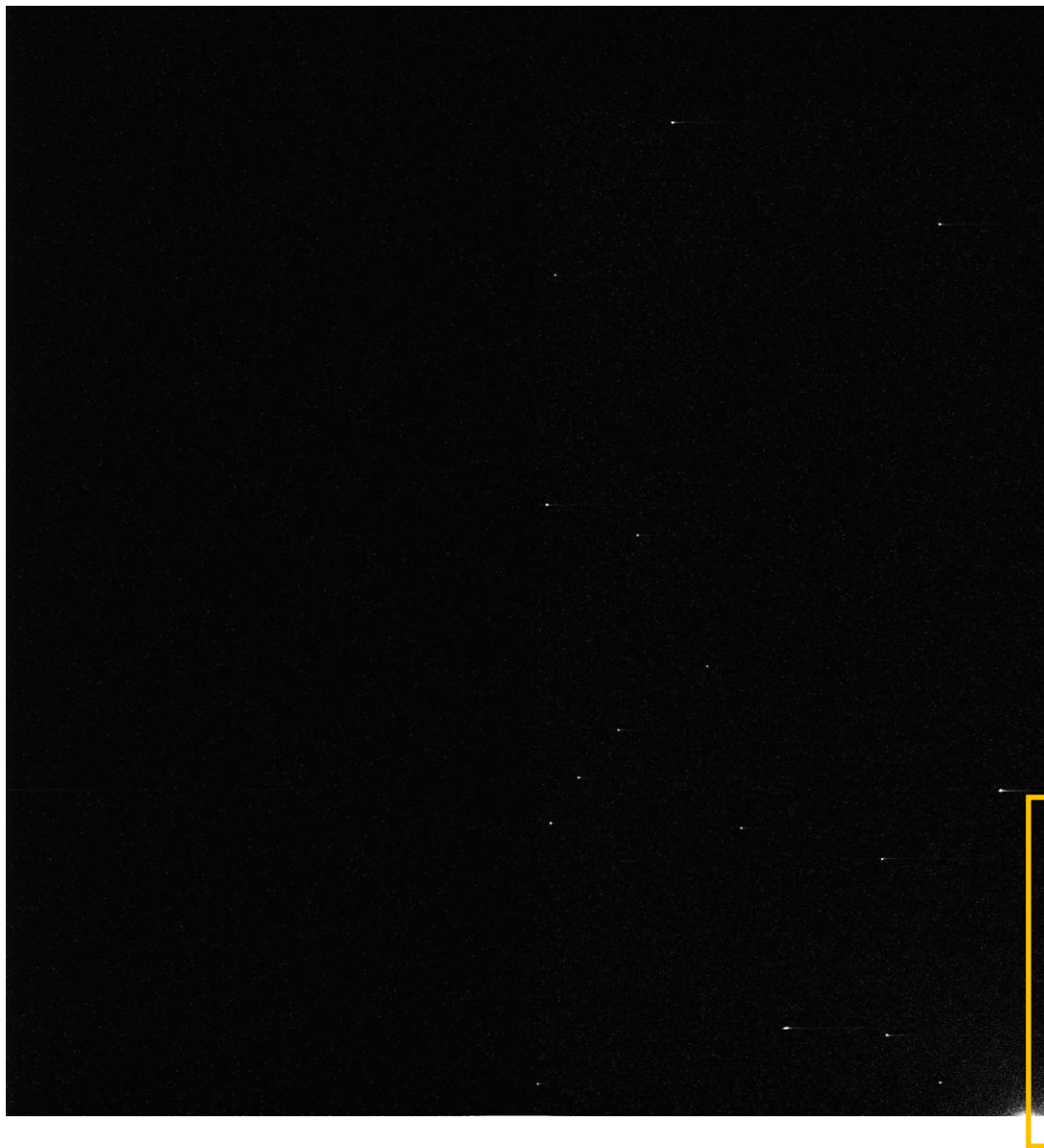
Image

2048

Prescan

Store





Type A EMCCD
Gain=1000x
3 minute frame
T=-105C

ODH ON/OFF

~12 bright
columns

